

Fig. 1

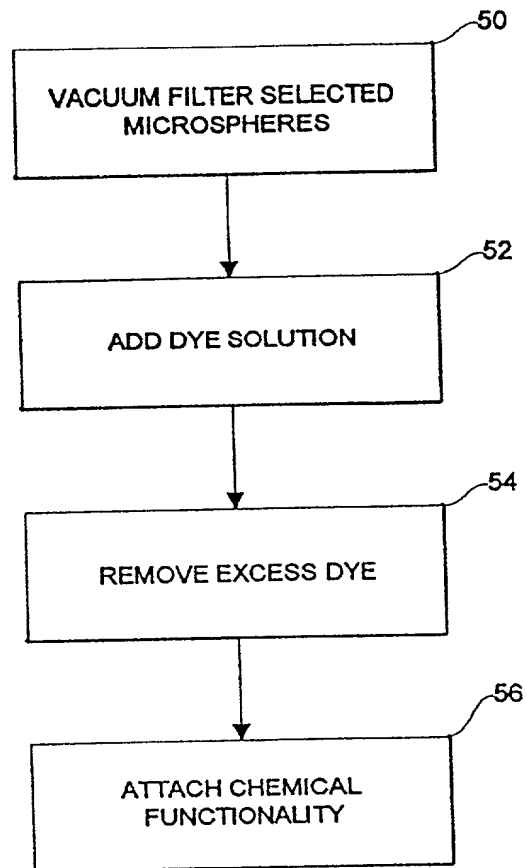


FIG. 2

FIG. 10

100

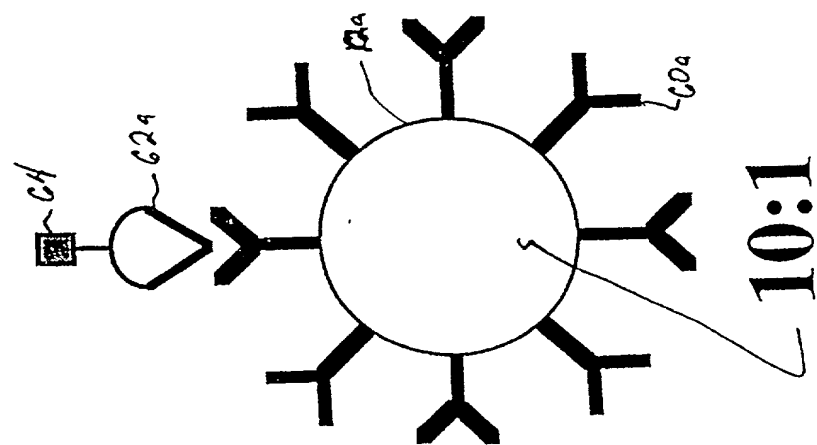
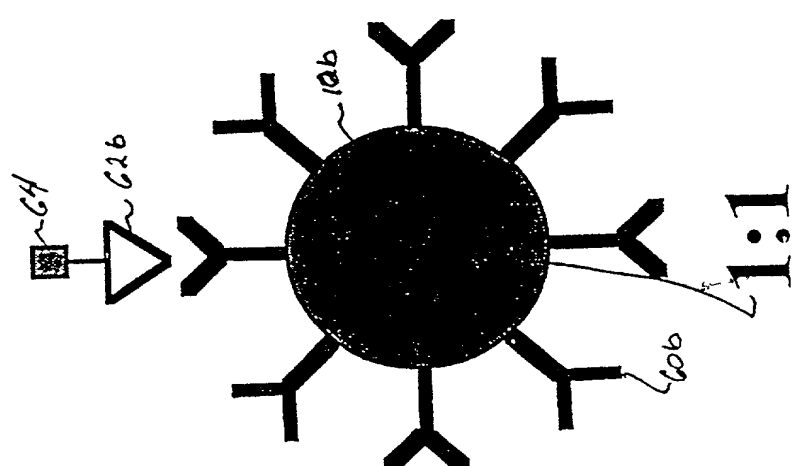
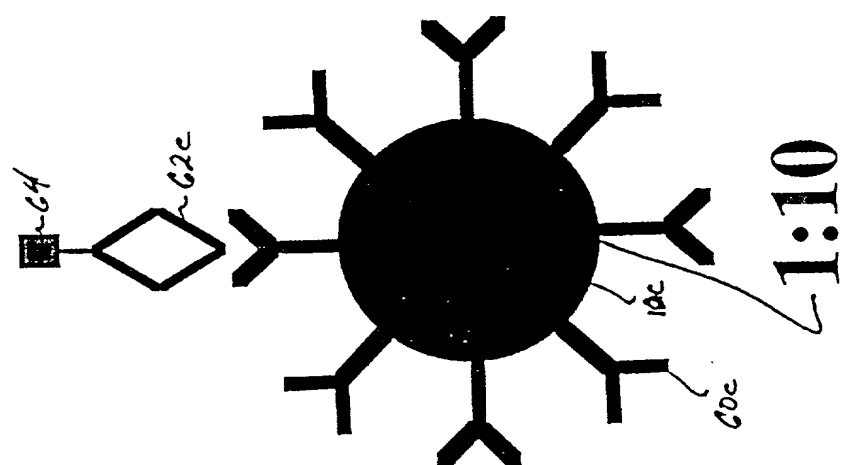


FIG. 10

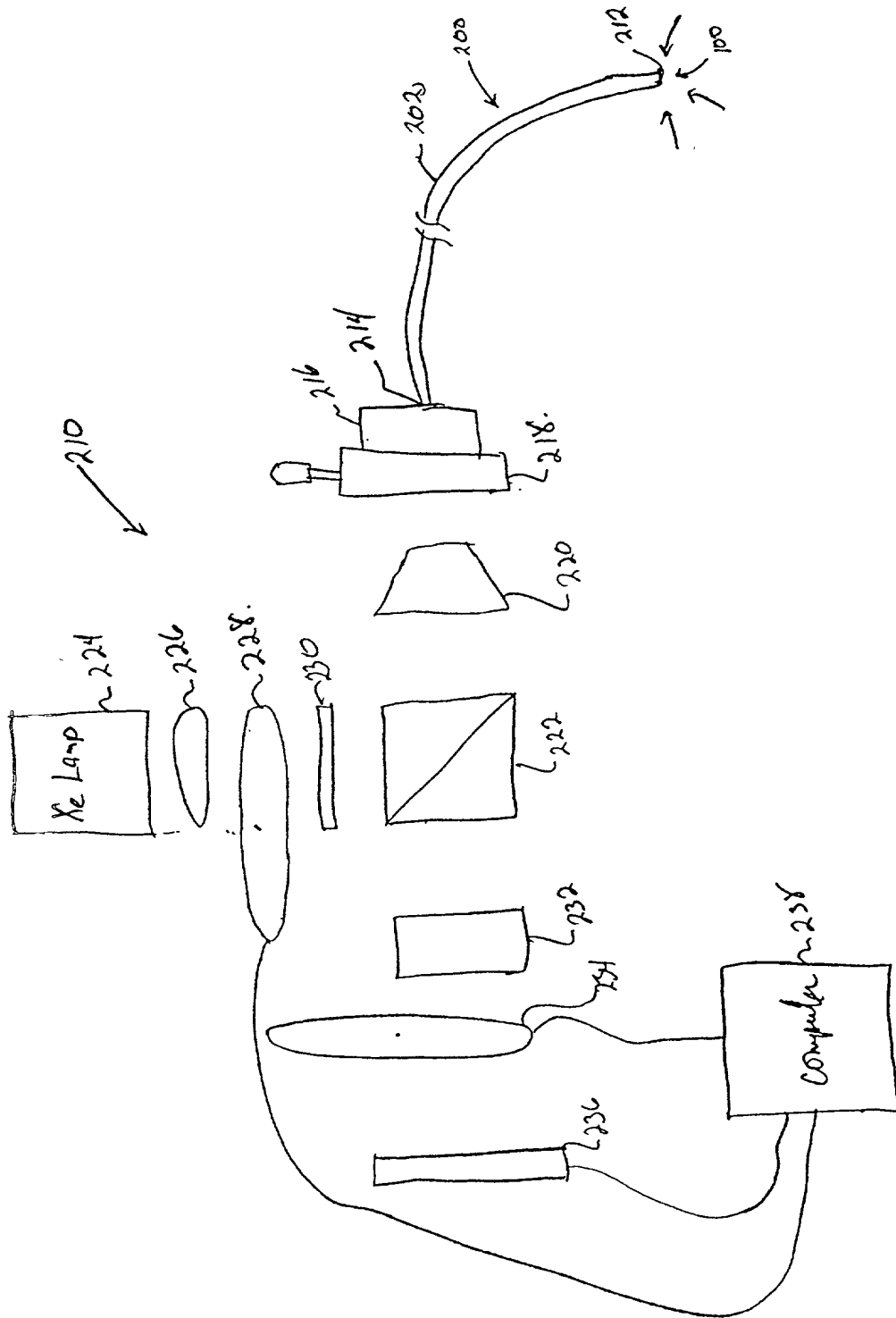


Fig. 4

Fig. 5A

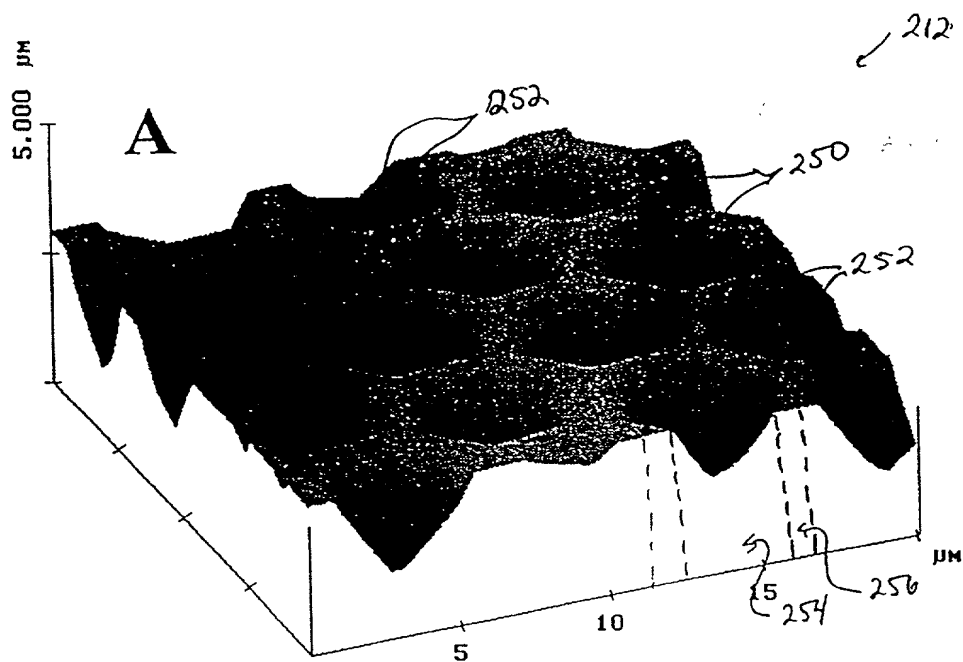
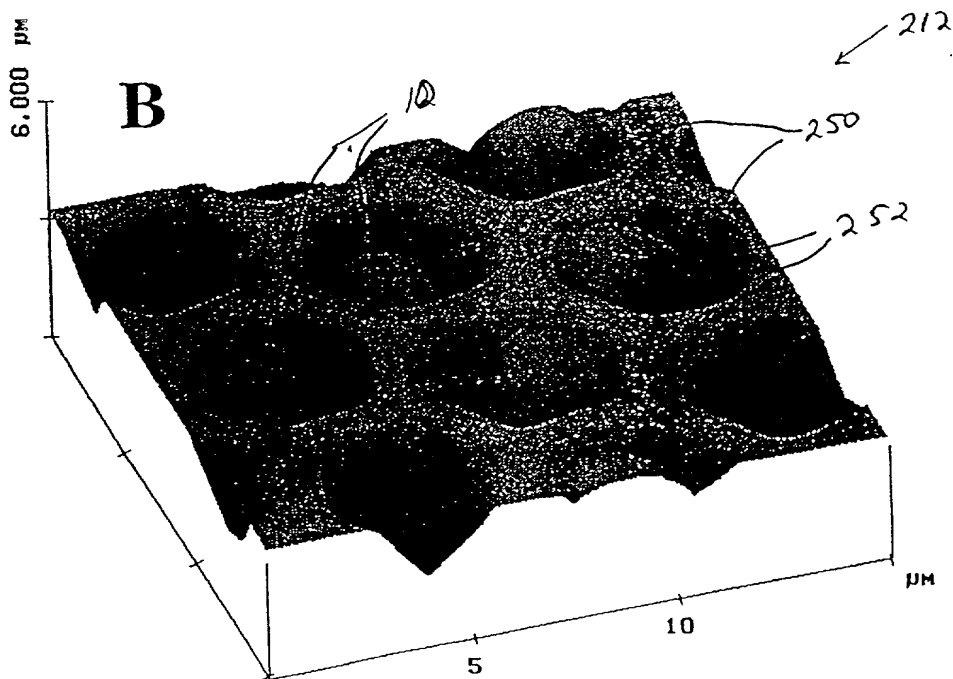


Fig. 5B



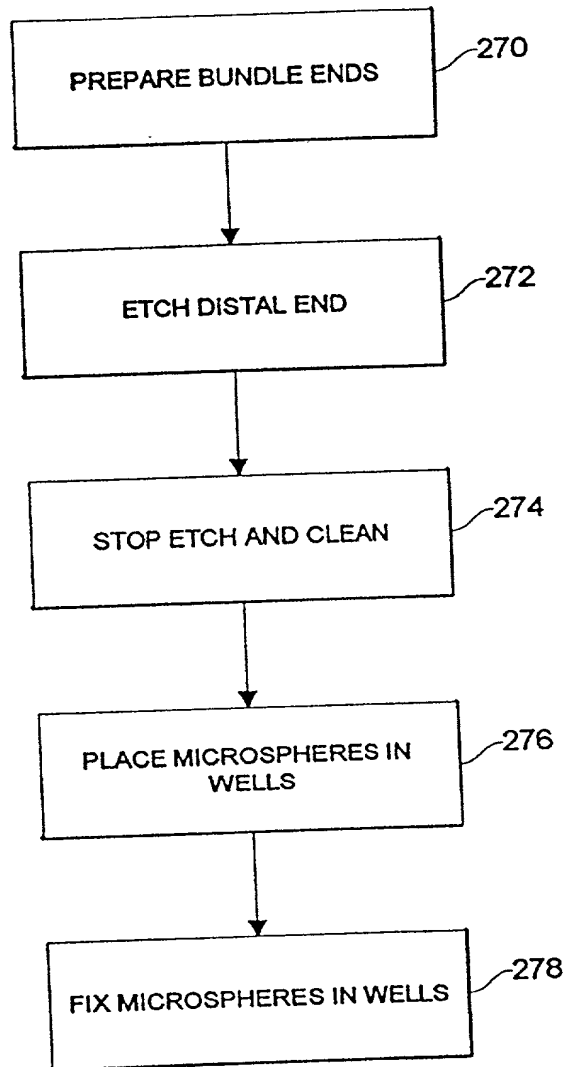
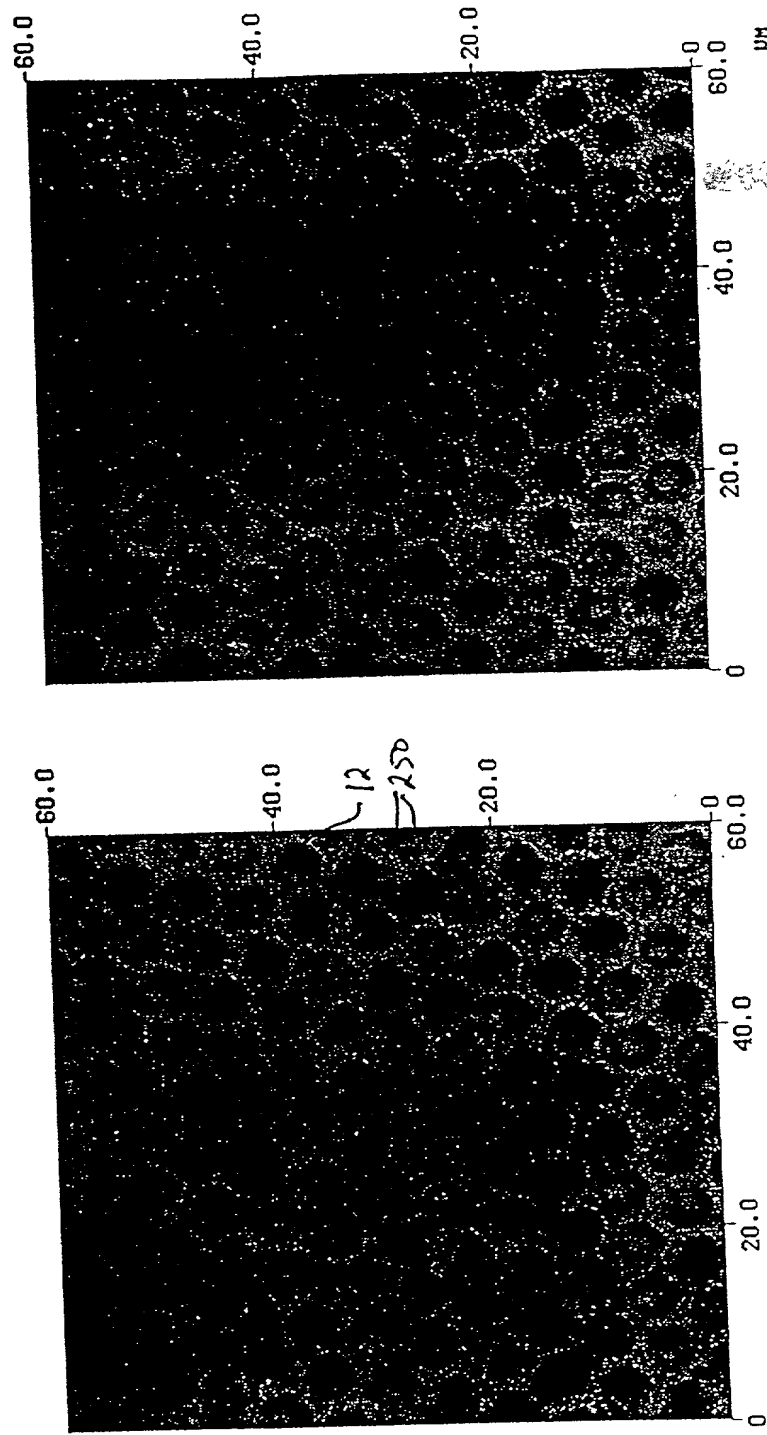


FIG. 6

Polymer Coated Beads in Wells After Air Pulse and Tapping



Before Tapping

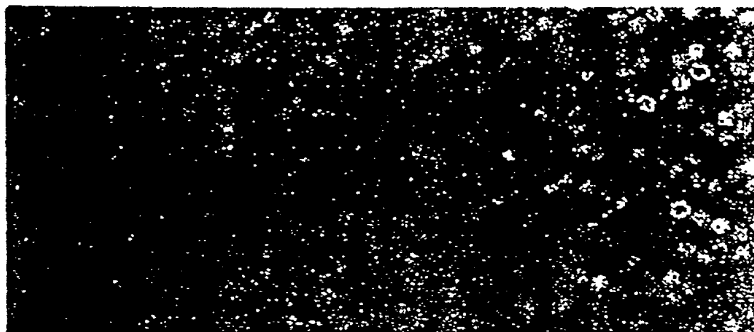
Fig. 7A

After Tapping

Fig. 7B

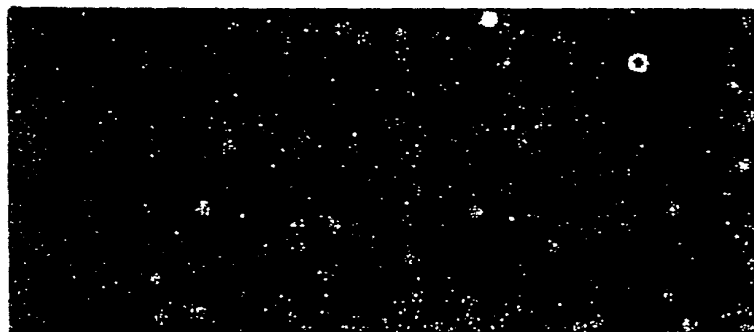
**Fluorescein Signal Generated from
Fluorescein di-Phosphate by Alkaline
Phosphatase on Encoded Microspheres**

Fig. 8A



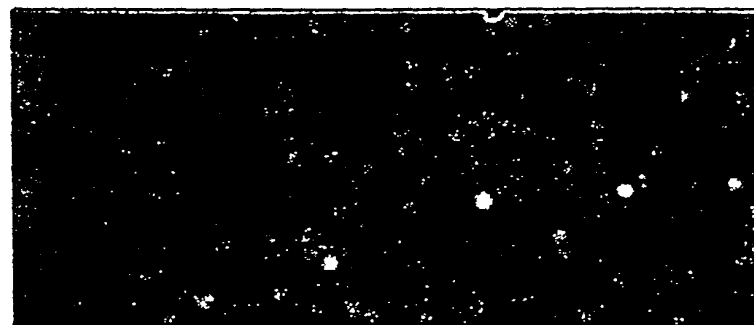
**Signal only from alkaline phosphatase
Microspheres ex490/em530nm**

Fig. 8B



**Mixture of Encoded Microspheres
ex577/em670nm**

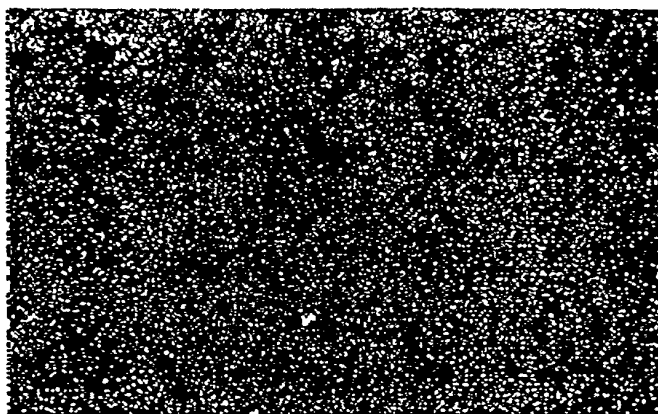
Fig. 8C



**Mixture of Encoded Microspheres
ex577/em610nm**

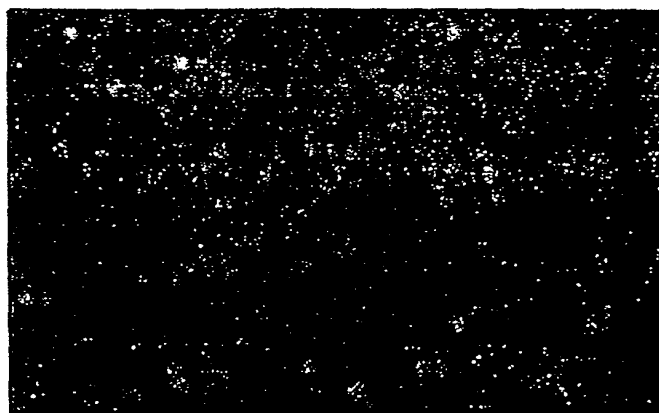
**Fluorescein Signal Generated
from Fluorescein di- β -galactopyranoside
by β -Galactosidase Immobilized on
Encoded Microspheres**

Fig. 9 A



Signal ex490/em530 nm

Fig. 9B

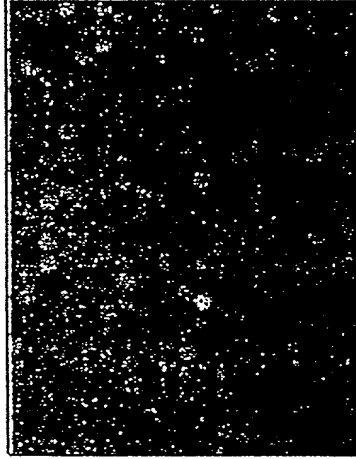


Encoded Microspheres
ex577/em670 nm



Pre-Ag

Fig. 10A



Post-Ag

Fig. 10B